



National Aeronautics and Space Administration
Goddard Space Flight Center
Wallops Flight Facility, Wallops Island, Virginia

Volume XX-03

Number 27

July 21, 2003

Inside Wallops

Local High School Students Working at NASA Wallops Flight Facility

Many local high school students spend their summers working at various restaurants, hotels, and stores. Eight local students are spending this summer in a job they will never forget. These students are spending their summer working at NASA Wallops Flight Facility, Wallops Island, Va.

The students are participating in the NASA's Summer High School Apprenticeship Research Program (SHARP) and the National Space Club Scholars program.

SHARP was established by NASA in 1980. The program was in response to a presidential directive for all federal laboratories and research institutions to conduct summer apprenticeship programs for high school students traditionally underrepresented in the fields of science, mathematics, technology, engineering, and geography. The objective of SHARP is to stimulate broader interest in science and engineering careers.

The National Space Club Scholars Program provides high school students with an opportunity to experience how research and development organizations operate on a day-to-day basis in direct support of NASA's mission to inspire the next generation of explorers.

The students work eight-hour days, five days a week along side a Wallops employee. SHARP work for eight weeks and the Space Club Scholars work for six weeks.

The Wallops Public Affairs Office distributes applications to local high school guidance counselors in January of each year. A committee makes selections on a competitive basis. Selected students are then assigned to work with a mentor in a specific area of science or technology.



Photo by Rebecca Hudson.

Meghan Marsh has been helping with badging at the Wallops Front Gate.

Both programs are designed to increase, strengthen and diversify the pool of students for math, science and engineering college majors.

The students selected to participate in the SHARP program this year are: Meghan Marsh (Nandua High School), Nayo Howard and Samuel Arumala

(Parkside High School), and Katrina LaCurts (Pocomoke High School).

This year's National Space Club Scholar students are: Matthew Dori and Warren Rowe III, (Stephen Decatur High School), Kyle Collins (Broadwater Academy), and Kenneth MacFarlane (James M. Bennett High School).

NASA employees serving as mentors for the students are: Phil Eberspacher, Sounding Rockets Program Office; Dave Wilcox, Carrier Systems Branch; Pam Pittman, Systems Software Engineering; Russ Dufrene, GN&C and Mission Systems Engineering Branch; and John Moisan, Observational Science Branch. Contract employees serving as mentors are: John VanKleef, GHG; Al Beebe, Raytheon; and Ed Parrott, Wallops Teacher-on-Loan.

Wallops Shorts..... Launches

Two NASA Terrier-Improved Orions were successfully launched within 30 minutes of each other from the White Sands Missile Range, N.M. on July 15. Both carried geospace science experiments to attempt a contemporary in-situ measurement of the CO₂ abundance using a version of the Cryogenic Whole Air Sampler. Both payloads were recovered.

Dr. Peter Erdman, Embry-Riddle Aeronautical University was the principal investigator. Jay Savage, NSROC, was the mission manager.



(left to right) Sam Belt, Magdi Said, and Hugo Franco

On the Road

Magdi Said, NASA Balloon Program Office; Sam Belt, Co-op Student from New Mexico State University, (NMSU), Las Cruces, N.M.; and Hugo Franco, Physical Science Laboratory, NMSU, set up models of NASA's Ultra Long Duration Balloon, Long Duration Balloon and staffed an exhibit at The Great Blimp Meet in Dayton, OH, held July 11 through 13.



Photos courtesy of Magdi Said.

Sam Belt (kneeling left) explains NASA's balloons to young visitors.

This was the second weekend of activities for Inventing Flight, part of The Centennial of Flight Celebration and drew a crowd of approximately 60,000 visitors.

The FujiFilm Blimp, the Saturn Blimp and the Goodyear Blimp were among the blimps taking part in the meet.



Administrator Sean O'Keefe Holds Next NASA Update at Goddard

All employees are invited to hear NASA Administrator, Sean O'Keefe discuss NASA's Return to Flight. This address will occur Wednesday, July 23 at 11 a.m. in the Building 8 Auditorium (Greenbelt). It will be aired at Wallops on TV Channel 6.

NASA/UMES SEMAA Win Second Place

The University of Maryland Eastern Shore (UMES) has won second prize in the poster contest for NASA's Science, Engineering, Mathematics, and Aeronautics Academy (SEMAA) program

"We tried to show the kinds of things we do at our site. Our program includes activities that model real-world challenges in aerospace for students, grades 7-12; a program for the parents of the SEMAA students; and partnerships with NASA and Accomack (Va.) and Somerset (Md.) County Public Schools. Our poster had to reflect all of that," said Program Assistant Tayseer Elbeshir.

SEMAA targets under-represented groups in science, math and technology. The program is open to all students and is conducted locally at the Mary N. Smith School, Accomack, Va.

For more information go to <http://www.mcs.umes.edu/semaa/or> call 410-651-8338.

Rapid Support

"At approximately 11:30 a.m., on Friday, July 11 a main communication cable was cut in the rear of Building E-108. This cable serviced the radar circuits entering and exiting Building A-41 (Radar 18), as well as the timing, intercom, and portions of the NASCOM communication services of that same building.

Also effected were the FM radio circuits exiting the Main Base Fire Station. Some of these lines supported and are now supporting a highly visible project, CSSQT. Therefore, it was imperative that these lines be repaired as quickly and efficiently as possible, to avoid any delay in the project schedule.

Without hesitation the following individuals reported to the site, made evaluations and proceeded to repair the cable, they include: Johnny Gibbons, EG&G; Fred Hipple, SIEMENS; Greg Wilson and Linwood Windsor, CUBE.

In just over three hours they had repaired the cable and restored all services. It was their perseverance and commitment, under a very tight schedule, that led to the expedient repair. These individuals are to be highly commended for their support and dedication to the Wallops mission....."

Jay Savage, Telecommunications Team Lead, NASA Wallops Information Services and Advanced Technology Branch

Blood Bank Donors



Holly Wilson, Blood Bank of the Eastern Shore, watches as Hayden Gordon, Computer Sciences Corporation, donates blood during the July 17 blood drive.



Photos by Betty Flowers

Still Champ! Don Grant, Computer Sciences Corporation, relaxes after donating his 99th pint of blood.

Theme Park Tickets

The Wallops Exchange Store in Building E-2 has discount tickets to Busch Gardens, Water Country, Kings Dominion and Delmarva Shorebirds games. For further info call x2020.

Centennial of Flight Milestones

42 years ago today, Virgil "Gus" Grissom does the second Mercury suborbital flight aboard Liberty Bell 7.

34 years ago yesterday (July 20), Apollo 11 moon landing (Armstrong & Aldrin land; Collins orbits)

It's Hot! Stay Hydrated!

If you work outdoors in hot weather, beware of dehydration. It's a key factor in heat exhaustion, as well as the more dangerous condition of heat stroke.

To prevent dehydration when working outdoors in the heat:



--Give your body time to become acclimated. If possible, gradually increase the time you spend working outdoors over the course of a week.

--Wear light-colored clothing.

--Drink 6 to 8 ounces of water every 15 to 20 minutes during physical activity, regardless of whether you're thirsty. Cool, not cold, fluids are best.

--Avoid caffeinated or alcoholic drinks. These can promote dehydration.

--Plan especially strenuous tasks for early morning or late afternoon.

Mandatory Security Education and Awareness Training

For Civil Service and Contractor Employees

All Goddard Space Flight Center (GSFC) civil service employees and all contractors who are included in the Locator and Information Services Tracking System (LISTS) are required to complete the training course, "Security Education and Awareness Module" on NASA's Site for On-Line Learning and Resources (SOLAR).

If you have never used the SOLAR web site, click on "Request New Account. Submit the requested information. Your user name and password will be forwarded by e-mail.

The SOLAR web site can be found at: <https://solar.msfc.nasa.gov:443/solar/delivery/public/html/newindex.htm>.

To update your user profile go to "My Account" and click on "Change User Information".

The course also is on-line and must be completed by November 14.

Click on the "Training Centers" link. To ensure you receive credit for taking the course, select the GSFC link, and then select the Security Education and Awareness Module.

Although the web site automatically tracks the names of users who successfully complete the module, be sure to print out the certificate of completion.

Inside Wallops is an official publication of Goddard Space Flight Center and is published by the Wallops Office of Public Affairs, Extension 1584, in the interest of Wallops employees. Recent and past issues of *Inside Wallops* may be found on the NASA Wallops Flight Facility homepage: www.wff.nasa.gov

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